

**Work Order ID 61972**

Page 1

Monday, September 13, 2010 11:29:51 AM

Item ID: D119-675-013

Accept



Setup Start



Revision ID:

Item Name: Maintenance Step

Stop



Start Date: 9/13/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 9/20/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan:



Date: 10-9-13

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

| Draw Nbr | Revision Nbr |
|----------|--------------|
| DSI 9510 | A            |

100



DOCUMENT CONTROL

DC

Document Control

Memo

0.00

0.00

JJ for BG 10-10-28

110



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

colwbs 40 \$P

120



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

Solwbs

(x4) \_\_\_\_\_

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

**Work Order ID 61972**

Page 2

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Start



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Start Date: 9/13/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 9/20/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

Package as per PPPD119-675-013

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

## Picklist Print

Monday, September 13, 2010 11:29:55 AM

Page 1

**Work Order ID:** 61972



**Parent Item:** D119-675-013



**Parent Item Name:** Maintenance Step

**Start Date:** 9/13/2010

**Required Date:** 9/20/2010

Comments: IPP REV:A NEW ISSUE 10-09-07 JLM VERIFIED BY:DD

Start Qty: 4.00

Required Qty: 4.00

| W/O: |      | WORK ORDER CHANGES |    |      |     |                                     |                          |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE   | By | Date | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|      |      |                    |    |      |     |                                     |                          |
|      |      |                    |    |      |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

NOTE: Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-675 REV. B AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-675 REV. 1  
REF. FAA STC: SR00948SE & EASA STC EASA.IM.R.S.01458

REFERENCE ONLY

## INTRODUCTION

The purpose of this DSI (Dart Service Instruction) is to introduce the new D119-675-013 Maintenance Step Kit which consists of 2 maintenance step/tiedown brackets that are attached to the existing shipping hardpoints at STA 130 (3310mm) and WL 58 (1475mm). The D119-675-013 kit increases the area of the existing maintenance step for improved security and provides an additional tie down point for the aircraft.

## INSTALLATION

Install D119-675-013 Maintenance Step at the location shown in Figure 1, using (4) AN5 bolts. Apply a layer of Proseal 890 or MIL-S-8802 class B2 sealant between D4084-1 and aircraft skin. Torque bolts to 100-140 in-lb (11.3-15.8 Nm).

## WEIGHT AND BALANCE

| INSTALLATION                         | WEIGHT             | LATERAL         |                       | LONGITUDINAL           |                              |
|--------------------------------------|--------------------|-----------------|-----------------------|------------------------|------------------------------|
|                                      |                    | Arm             | Moment                | Arm                    | Moment                       |
| D119-675-013<br>MAINTENANCE STEP KIT | 1.06 lb<br>0.48 kg | 0.0 in<br>0.0 m | 0.0 in-lb<br>0.0 m-kg | + 130.3 in<br>+ 3.31 m | + 138.1 in-lb<br>+ 1.59 m-kg |

## PARTS LIST

| ITEM | QTY<br>-013 | PART NUMBER   | DESCRIPTION            |
|------|-------------|---------------|------------------------|
|      | X           | D119-675-013  | MAINTENANCE STEP KIT   |
| 1    | 2           | D4084-1       | MAINTENANCE STEP       |
| 2    | 4           | AN5-7A        | BOLT                   |
| 3    | 4           | AN5-11A       | BOLT                   |
| 4    | 8           | NAS1149D0563J | WASHER (OR AN960JD516) |

|            |             |   |              |
|------------|-------------|---|--------------|
| A          | NEW ISSUE   | RF  | 10.04.12     |
| REV.       | DESCRIPTION | BY  | DATE         |
| DESIGN     | RF          | DART AEROSPACE USA, INC.  |              |
| DRAWN      | RF          | PORT HADLOCK, WA  |              |
| CHECKED    | <i>MM</i>   | DRAWING NO.   | REV. A       |
| MFG. APPR. | <i>NJA</i>  | DSI 9510  | SHEET 1 OF 2 |
| APPROVED   | <i>MM</i>   | TITLE   | SCALE        |
| DE APPR.   | <i>MM</i>   | STEP/TIEDOWN KIT  | NTS          |
| DATE       | 10.04.12    | COPYRIGHT © 2010 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |